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Atty. Docket No.: 25436/2155

SEP 09 2002
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE TECH CENTER 1600/2900

Application of:	Hogrefe, et al.	Examiner:	Not Yet Assigned
Serial No.:	10/079,241		
Filed:	February 20, 2002	Group Art Unit:	1645
Entitled:	"High Fidelity DNA Polymerase Compositions and Uses Thereof"	Conf. No.:	7186

#7/B
mail
9/19/12

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231.

Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENTAL PRELIMINARY AMENDMENT

Sir:

This paper is supplemental to our filing of February 20, 2002 and to our preliminary amendment filed on June 20, 2002. A check of \$42 is enclosed for the requisite fee. Applicants believe that no other fee is due with this filing; however, please charge any necessary fees required in connection with the paper transmitted herewith to Deposit Account No. 16-0085, Reference No.: 25436/2155.

AMENDMENT

In The Claims

Please cancel claims 36-39, 42-46, 49-53 and 56. Please replace claims 40, 41, 47, 48, 54, and 55 with the following amended claims 40, 41, 47, 48, 54, and 55. Please add new claims 57-62:

40. (Amended) A mutant Pfu DNA polymerase with reduced DNA polymerization activity, wherein said mutant Pfu DNA polymerase comprises one or more mutations at amino acid positions selected from the group consisting of: T542, D543, K593, Y595, Y385, G387, and G388.

41. (Amended) The mutant DNA polymerase of claim 40, wherein said mutant Pfu DNA polymerase comprises one or more mutations selected from the group consisting of:

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SEP 09 2002

Atty. Docket No.: 25436/2155

PATENT
TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Hogrefe, et al.	Examiner: Not Yet Assigned
Serial No.: 10/079,241	
Filed: February 20, 2002	Group Art Unit: 1645
Entitled: "High Fidelity DNA Polymerase Compositions and Uses Thereof"	Conf. No.: 7186

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Signature of Person Mailing Paper

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Enclosed for filing the above-identified patent application, please find the following documents:

1. Supplemental Preliminary Amendment;
2. Amendment Transmittal Letter;
3. Check in the amount of \$42.00 for requisite fees; and
4. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference 25436/2155. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: August 23, 2002

Name: Kathleen M. Williams
Registration No.: 34,380
Customer No.: 27495
Palmer & Dodge LLP
111 Huntington Avenue
Boston, MA 02199-7613
Tel: 617-239-0100

SEP 03 2002

Atty. Docket No.: 25436/2135

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Hogrefe, et al.
Serial No.: 10/079,241
Filed: February 20, 2002
Entitled: "High Fidelity DNA Polymerase
Compositions and Uses Thereof"

Examiner: Not Yet Assigned
Group Art Unit: 1645
Conf. No.: 7186

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a

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Kathleen M. Williams

Name of Person Mailing Paper

Signature of Person Mailing Paper

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT TRANSMITTAL LETTER

Sir:

1. Transmitted herewith is a preliminary amendment to be filed in the above-referenced patent application.

STATUS

2. Applicant is

- ☒ a small entity.
☐ other than small entity.

EXTENSION OF TIME

3. The proceedings herein are for a patent application and the provisions of 37 CFR 1.136 apply.

<input type="checkbox"/>	Applicant petitions for an extension of time under 37 CFR 1.136		
	Extension (months)	Fee for other than small entity	Fee for small entity
<input type="checkbox"/>	ONE month	\$110.00	\$55.00
<input type="checkbox"/>	TWO months	\$400.00	\$200.00
<input type="checkbox"/>	THREE months	\$920.00	\$460.00
<input type="checkbox"/>	FOUR months	\$1,440.00	\$720.00
<input type="checkbox"/>	FIVE months	\$1,960.00	\$980.00
		Fee	\$

If an additional extension of time is required, please consider this a petition therefor.

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- (a) ☐ An extension for _____ has already been secured and the fee paid therefor of \$ _____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ _____

OR

- (b) ☒ Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

FEE FOR CLAIMS

4. The fee for claims (37 CFR 1.16(b)-(d)) has been calculated as shown below:

CLAIMS AS AMENDED						
	(1)	(2)	(3)			
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT NUMBER EXTRA	RATE	FEE
TOTAL CLAIMS	66	minus	77	0	x \$18	0
INDEPENDENT CLAIMS	16	minus	15	1	x \$84	\$84.00
MULTIPLE DEPENDENT CLAIM ADDED	N				\$280	
				TOTAL		\$84.00
If applicant has small entity status under 37 CFR 1.9 and 1.27, then divide total fee by 2 and enter amount here.				SMALL ENTITY TOTAL		\$42.00

- (c) ☐ No additional fee for claims is required.

OR

- (d) ☒ Total additional fee for claims required \$42.00

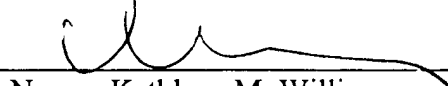
FEE PAYMENT

5. ☒ Attached is a check in the sum of \$42.00

- ☒ Charge Deposit Account No. 16-0085, Reference No. 25436/2155 any additional necessary fees.
- ☐ Charge the amount of \$ _____ to Deposit Account No. 16-0085, Reference No. _____ and any additional necessary fees. A duplicate of this transmittal is attached.

Date: August 23, 2002

Respectfully submitted,



Name: Kathleen M. Williams

Registration No.: 34,380

Customer No.: 27495

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100